

## Math 5th Grade 2017 - 2018

Dear Families,

Welcome Back! We're looking forward to a great school year. Each student should be ready to share his/her "Summer Math Autobiography". This projects give us insight on student strengths, as well as the "bridges" of learning we will build together. An additional resource for parents is located at <https://5thinonight.wikispaces.com/>.



Students are expected to become fluent in their facts in order to free up "mental space" to apply their knowledge to more "complex" math tasks. "First in Math" & "Prodigy" games, as well as others games, continue to support your child in developing procedural and conceptual understanding. Several methods have and will be reviewed with your child and look for additional resources to come home.

In addition to fact fluency students are expected to know the information below (without aid) in order to apply it to solving real world math problems:

GRADE 4 Equivalency Chart

1 meter	100 centimeters
1 kilometer	1000 meters
1 liter	1000 milliliters
1 minute	60 seconds
1 hour	60 minutes
1 pound	16 ounces

We appreciate the support you provide your child. Your child will use Google Classroom and Kidblog as a resource for learning.

# Components of Math Workshop

## AOK (Application of Knowledge)

Target the Skill is a formative task to help identify student needs and provide purposeful application of mathematics.

## Number Corner

Number Corner assists in building Computational Fluency & Number Sense.

## Problem Strings

Problem Strings are a careful delivery of a series of related problems designed to allow students to explore strategies and ideas through discussion and continue to build Computational Fluency and Number Sense.

## Prodigy

This game-based, individualized instruction provides math skills while playing games against themselves or others and provides purposeful application of mathematics. Your child will be given a Prodigy user ID and passwords. Prodigy will be part of the homework routine.

## First In Math

"First in Math" has been chosen to help your child master fundamental and advanced mathematical skills.. Activities employ deep practice techniques to increase computation, problem solving, critical thinking. Your child will be given a First in Math User ID and password. First In Math will be part of the homework routine.

### Quick Start Guide for EXPLORATION

1. Go to [www.firstinmath.com](http://www.firstinmath.com)
2. Type User ID/Password
3. Click GO, then click GO on the Progress Page
4. You are now at Player Home Page Hub -----
  - click a Skill Set, GYM, JUST THE FACTS, MEASUREMENT WORLD, K&S, OR BONUS module to EXPLORE.
  - Assignments are about to begin!!

# 5th Grade Math Expectations for 2017-2018

## Weighting of Grades:

### 50% Summative Assessments-

Culminating unit assessments to show student mastery on key concepts/learning targets for each unit. Intervention is provided throughout, as well as for those who may not demonstrate mastery on assessments.

### 40% Formative Assessments-

**Target the Skill** - Short cycle assessments.

**Math Tasks/ Extended Responses:** Students will complete these online through “Kidblog” and Google Classroom.

### 10% Other-

Homework

First in Math

Prodigy

Projects

Google Classroom

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**I have read and understand the Fifth-Grade Math Guidelines for 2017 - 2018.**

Child's Name -----

Parent's Name -----

Date: -----

Please return by August 25, 2017